

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600014-6

BELYAYEVSKIY, N.A.

The mineralization in Malaya. Izvest. Akad. Nauk SSSR, No. 3, 1964.

1. Gosudarstvennyy geologicheskiy komitet SSSR.

GARETSKIY, R.G., otv. red.; YANSHIN, A.L. akademik, otv. red.;
BELOUSOV, V.V., red.; BELYAYEVSKIY, N.A., red.; BOGDANOV,
A.A., red.; GUBIN, I.Ye., red.; KROPOTKIN, P.N., red.;
LEYTES, A.M., red.; MAZAROVICH, O.A., red.; MURATOV, M.V.,
red.; NIKOLAYEV, N.I., red.; PAVLOVSKIY, Ye.V., red.; PEYVE,
A.V., red.; PETRUSHEVSKIY, B.A. red.; PUSHCHAROVSKIY, Yu.M.,
red.; SHEINMANN, Yu.M., red.; SHTREYS, N.A., red.

[Young platforms, their tectonics, and prospects for finding oil and gas; materials] Molodye platformy, ikh tektonika
i perspektivy neftegazonosnosti; materialy. Moskva, Nauka,
1965. 223 p. (MIRA 18:3)

1. Soveshchaniye po problemam tektoniki, Moscow, 1963.

KROPOTKIN, P.N., otv. red.; BELOUSOV, V.V., red.; BELYAYEVSKIY, N.A., red.; BOGDANOV, A.A., red.; GAKETSKIY, R.G., red.; GUBIN, I.Ye., red.; LEYTES, A.M., red.; MAZAROVICH, O.A., red.; MURATOV, M.V., red.; NIKOLAYEV, N.I., red.; PAVLOVSKIY, Ye.V., red.; PEYVE, A.V., red.; PETRUSHEVSKIY, B.A., red.; PUSHCHAROVSKIY, Yu.M., red.; SHEYNNMANN, Yu.K., red.; SHTREYS, N.A., red.; YANSHIN, A.L., red.

[Structure and the development of the earth's crust; materials] Stroenie i razvitiye zemnoi kory; materialy. Moscow, Nauka, 1964. 199 p. (MIRA 18:2)

1. Vsesoyuznoye soveshchaniye po problemam tektoniki. 2d, Moscow, 1963.

MURATOV, N.V., etv. red.; BELYAYEVSKIY, N.A., rev.; GARKHOV, T.D., red.; MILANOVSKIY, Ye.Ya., red.; LIPEN, D.Ye., rev.; TSEYSLER, V.M., red.

[Himalayan and Alpine orogenesis] Girijskiy i Al'ijskiy orogenes. Moskva, Nedra, 1964. 331 p. (Vedomostnoye geologicheskii kongress, 220 sotsial. Voprosy sovetskikh geologov, problema 11) (MIRA ed.)

1. Natsional'nyy komitet geologov Sovetskogo Soyuza.

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BELYAEVSKIY, N.A.; ILYINOV, A.A.

Subsurface structure of the northeastern part of the Pacific mobile belt. Sov. geol. 7 no. 9; 29-46. S. (S84 17:10)

1. Gosudarstvennyy geologicheskiy komitet GGS; i Vsesoyuznyy nauchno-issledovanielskiy institut geofizicheskikh metodov razvedki.

BELYAYEVSKIY, N.A.; GOROKHIV, I.I.

First ordinary session of the Council of the International Union
of Geological Sciences. Sov. geol. 7 no. 1756-156 Ja '54.
(RIL 1756)

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BELYAYEVSKIY, N.A.; VOLKOVA, S.P.

From the history of the publishing of geological literature
in the U.S.S.R. Sov. geol. 7 no.4:140-146 Ap'64.

(MIRA 17:5)

MURATOV, M.V., otv. red.; PUSHCHAROVSKIY, Yu.M., red.; KHAIN, V.Ye., red.; MAZAROVICH, O.A., red.; BELOUSOV, V.V., red.; BELYAYEVSKIY, N.A., red.; BOGDANOV, A.A., red.; GAREISKIY, R.G., red.; GUBIN, I.Ye., red.; KROPOTKIN, P.N., red.; LEYTES, A.M., red.; NIKOLAYEV, N.I., red.; PAVLOVSKIY, Ye.V., red.; PEYVE, A.V., red.; PETRUSHEVSKIY, B.A., red.; SHEYNMANN, Yu.M., red.; SHTREYS, N.A., red.; YANSHIN, A.L., red.

[Folded areas of Eurasia; materials] Skadchatye oblasti Evrazii; materialy. Moskva, Nauka, 1964. 375 p.
(MIRA 17:11)

1. Soveshchaniye po problemam tektoniki. Moscow, 1963.

BELOUSOV, V.V., red.; BELYAYEVSKIY, N.A., red.; BOGDANOV, A.A.,
red.; GARETSKIY, R.G., red.; GUBIN, I.Ye., red.; K
KROPOTKIN, P.N., red.; LEYTES, A.M., red.; MAZAROVICH,
O.A., red.; MURATOV, M.V., red.; NIKOLAYEV, N.I., red.;
PAVLOVSKIY, Ye.V., red.; PEYVE, A.V., red.; PETRUSHEVSKIY,
B.A., red.; PUSHCHAROVSKIY, Yu.M., red.; SHEYNMANN, Yu.M.,
red.; SHTREYS, N.A., red.; YANSHIN, A.L., red.

[Problems of the comparative tectonics of ancient platforms;
materials] Voprosy srovnitel'noi tektoniki drevnikh platoform;
materialy. Moskva, Nauka, 1964. 152 p. (MIRA 17:8)

BELYAYEVSKIY, N.A., otv. red.; LEYTES, A.M., otv. red.; SHEINMANN,
Yu.M., otv. red.; BELCUSOV, V.V., red.; BOGDANOV, A.A., red.;
GANETSKIY, R.G., red.; GUBIN, I.Ye., red.; KROPOTKIN, P.N.,
red.; SHTREYS, N.A. red.; MAZAROVICH, O.A., red.; MURATOV, M.V.,
red.; NIKOLAYEV, N.I., red.; PAVLOVSKIY, Ye.V., red.; PEYVE,
A.V., red.; PETRUSHEVSKIY, B.A., red.; PUSHCHAROVSKIY, Yu.M.,
red.; YANSHIN, A.L., red.

[Tectonics, igneous activity and distribution of ore deposits;
materials] Tektonika, magmatizm i zakonomernosti razmeshcheni-
nia rudnykh mestorozhdenii; materialy. Moskva, Nauka, 1964.
(MIRA 17:8)
237 p.

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BELYAEVSKIY, N.A.; FEDYNSKIY, V.V.

Deep-hole drilling as a method for studying the earth's crust.
Izv. AN SSSR.Ser.geol. 28 no.5:3-8 My '63. (MIRA 17:4)

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Results of the current session of the International Commission
for the Geologic Map of The World. Sov. geol. 6 no.7:154-161
Jl '63. (MIRA 16:8)

BELYAYEVSKIY, N.A., red.; ALI-ZADE, A.A., red.; ALIYEV, M.M., red.;
BAKIROV, A.A., red.; BELOUSOV, V.V., red.; BEUS, A.A., red.;
BOGDANOV, A.A., red.; BORISOV, A.A., red.; BRENNER, M.M.,
red.; DYUKOV, A.I., red.; YERSHOV, A.D., red.; ZARIDZE, G.M.,
red.; KALUGIN, A.S., red.; KOSOV, B.M., red.; KOPTEV-
DVORNIKOV, V.S., red.; KOTLYAR, V.N., red.; LUGOV, S.F., red.;
MAGAK'YAN, I.G., red.; MARINOV, N.A., red.; MARKOVSKIY, A.P.,
red.; MALINOVSKIY, F.M., red.; PUSTOVALOV, L.V., red.; SATPAYEV,
K.I., red.; SEMENENKO, N.P., red.; TYZINOV, A.V., red.;
KHRUSHCHOV, N.A., red.; SHCHEGOLEV, D.I., red.; YARMOLYUK, V.A.,
red.

[Materials on regional tectonics of the U.S.S.R.] Materialy po
regional'noi tektonike SSSR. Moskva, Izd-vo "Nedra," 1964. 193 p.
(MIRA 17:4)

l. Russia (1923- U.S.S.R.) Gosudarstvennyy geologicheskiy ko-
mitet.

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BELYAYEVSKIY, N.A.

Development of geological studies in India. Sov. geol. 6
no.10:146-149 0 '63. (MIRA 17:1)

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BELYAYEVSKIY, N.A.; ALEKSIN, A.G.

Fifth session of the Working Group of Senior Geologists and
the fifth session of the Subcommittee on the Development of
Mineral Resources of the Economic Commission for Asia and
the Far East of the United Nations. Sov. geol. 6 no.11:
157-161 N '63. (MIRA 17:1)

BELYAYEVSKIY, N.A.; FEDYNSKIY, V.V.

Deep drilling. Priroda 52 no. 3:108-109 '63. (MIRA 16:4)

1. Ministerstvo geologii i okhrany nedor SSSR.
(Geological research)

NALIVKIN, D.V., glav. red.; BELYAYEVSKIY, N.A., zam. glav. red.;
TIKHOMIROV, V.V., zam. glav. red.; ASSOVSKIY, A.N., red.;
MEL'NIKOV, O.D., red.; PEYVE, A.V., red.; YANSHIN, A.L.,
red.; VOSKRESENSKAIA, N.A., red.; KALYUZHNYY, VI.A., otv. red.
vyp.; NATOCHIY, P.A., red. vyp.; MEL'NIK, A.F., red.izd-va;
LISOVETS, A.M., tekhn. red.

[Study of the geology of the U.S.S.R.] Geologicheskaja izu-
chennost' SSSR. Kiev, Izd-vo AN Ukr.SSR. Vol.31. [Ukrainian
S.S.R. (western provinces); period 1951-1955] Ukrainskaia SSR
(zapadnye oblasti); period 1951-1955. No.1. [Published studies
and reviews] Opublikovannyе raboty i obzornye glavy. 1963. 178 p.
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period 1951-1955] Ukrainskaia SSR (tsentral'nye i vostochnye
oblasti period 1951-1955. No.1. [Published studies] Opublikovan-
nye raboty. 1963. 326 p. (MIRA 16:10)
(Ukraine--Geology)

GORSKIY, I.I., otv. red.; BELYAYEVSKIY, N.A., doktor geol.-min. nauk, zam. otv. red.; AFANAS'YEV, G.D., red.; BOGDANOV, A.A., doktor geol.-min. nauk, red.; VOROB'YEVA, O.A., doktor geol.-min. nauk, red.; KATUSHENOK, I.I., kand. geol.-min. nauk, red.; MENNER, V.V., doktor geol.-min. nauk, red.; MENYAYLOV, A.A., doktor geol.-min. nauk, red.; SMIRNOV, V.I., akademik, red.; SHATALOV, Ye.T., doktor geol.-min. nauk, red.; CHEPIKOVA, I.M., red. izd-va; TIKHOMIROVA, S.G., tekhn. red.

[Problems of geology at the 21st session of the International Geological Congress] Problemy geologii na XXI sessii Mezhdunarodnogo geologicheskogo kongressa. Moskva, Izd-vo AN SSSR 1963. 446 p. (MIRA 16:11)

1. Akademiya nauk SSSR. Natsional'nyy komitet geologov. 2. Chlen-korrespondent AN SSSR (for Afanas'yev, Gorskiy).
(Geology--Congresses)

BELYAYEVSKIY, N.A.; VARGIN, N.I.

Results of the Rostov conference on regional studies of the
subsurface geology of closed areas. Sov.geol. 5 no.8:168-172
Ag '62. (MIRA 15:9)

1. Ministerstvo geologii i okhrany nedor SSSR.
(Geology-Congresses)

ABDULLAYEV, Kh.M.; ALYAVDIN, V.F.; AMIRASLANOV, A.A.; ANIKEYEV, N.P.;
ARAPOV, Yu.A.; BARSANOV, G.P.; BELYATEVSKIY, N.A.; BOKIY, G.P.;
BORODAYEVSKAYA, M.B.; GOVOROV, I.N.; GODLEVSKIY, M.N.; SHCHEGLOV, A.D.;
SHAKHOV, F.N.; SHILO, N.A.; YARMOLYUK, V.A.; DRAZKIN, I.Ye.;
YEROFEYEV, B.N.; YERSHOV, A.D.; IVANKIN, P.F.; ITSIKSON, M.I.;
KARPOVA, Ye.D.; KASHIN, S.A.; KASHKAY, M.A.; KORZHINSKIY, D.S.;
KOSOV, B.M.; KOTLYAR, V.N.; KREYTER, V.M.; KUZNETSOV, V.A.; LUGOV,
S.F.; MAGAK'YAN, I.G.; MATERIKOV, M.P.; OIANTSOV, M.M.; PAVLOV, Ye.S.;
SATPAYEV, K.I.; SMIRNOV, V.I.; SOBOLEV, V.S.; SOKOLOV, G.A.; STRAKHOV,
N.M.; TATARINOV, I.M.; KHRUSHCHOV, N.A.; TSAREGRADSKIY, V.A.;
CHUKHROV, F.V.

In memory of Oleg Dmitrievich Levitskii; obituary. Sov.geol. 4
no.5:156-158 My '61. (MIRA 14:6)
(Levitskii, Oleg Dmitrievich, 1909-1961)

BELYAYEVSKIY, N. A.

"Experiences in geological mapping and prospecting for mineral resources
in the less explored areas of the USSR"

report to be submitted for the United Nations Conference on the
Application of Science and Technology for the Benefit of the Less
Developed Areas - Geneva, Switzerland, 4-20 Feb 63.

BELIAEVSKI, N.A. [Belyayevskiy, N.A.]; FEDINSKI, V.V. [Fedynskiy, V.V.]

Studies on the depth of earth subsurface and problems of high-depth boring. *Analele geol geogr* 16 no.2:3-25 Ap-Je 62.

BELYAYEVSKIY, N.A.; GROMOV, Yu.Ya.

Paleozoic stage of the geological development of the Sikhote-Alin' Range and southern Maritime Territory. Sov. geol. 5 no.7:41-63 Jl '62. (MIRA 15:7)

1. Ministerstvo geologii i okhrany nedr SSSR i Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut.

(Sikhote-Alin' Range--Geology, Structural)
(Maritime Territory--Geology, Structural)

BELYAYEVSKIY, N.A.; BOGDANOV, A.A.

Fifth Congress of the Carpatho-Balkan Association. Sov.geol. 5 no.5:
157-160 My '62. (MIRA 15:7)

1. Ministerstvo geologii i okhrany nedr SSSR i Moskovskiy
gosudarstvennyy universitet imeni Lomonosova.
(Carpathian Mountains—Geology—Congresses)
(Balkan Mountains—Geology—Congresses)

BELYAYEVSKIY, N.A.; GOLOV, A.Ye.

Results of the Conference for the Study of Subsurface Geology
of Member Countries of the Council of Mutual Economic Assistance.
Sov.geol. 5 no.4:138-140 Ap '62. (MIRA 15:4)

1. Ministerstvo geologii i okhrany nedor SSSR.
(Geology--Congresses)

BELYAYEVSKIY, N.A.; GRIGOR'YEV, A.V.; FEDYUK, V.I.

Regional studies of the subsurface geology of closed and partly
closed territories. Sov.geol. 5 no.3:23-32 Mr '62.
(MIRA 15:4)

1. Ministerstvo geologii i okhrany nadr SSSR.
(Geology, Structural) (Prospecting)

VERESHCHAGIN, V.N.; IVANOV, Yu.A.; BELYAYEVSKIY, N.A., glav. red.;
ALEYNER, A.Z., red.; GRIGOR'YEV, A.V., red.; ZAYTSEV, I.K.,
red.; KLIMOV, P.I., red.; KRASNOV, I.I., red.; LANKIN, A.A.,
red.; MUZYLEV, S.A., red.; OGNEV, V.N., red.; TROSTNIKOVA,
N.Ya., red. izd-va; IYERUSALIMSKAYA, Ye.S., tekhn. red.

[Instruction for compiling and preparing for publication a
geological map at a scale of 1:50,000; supplement to the
instruction for organizing and conducting geological surveys
at a scale of 1:50,000 and 1:25,000] Instruktsiya po sostavle-
niyu i podgotovke k izdaniyu geologicheskoi karty masshtaba
1:50 000; dopolnenie k instruktsii po organizatsii i proizvod-
stvu geologos"emochnykh rabot masshtaba 1:50 000 i 1:25 000.
Moskva, Gosgeoltekhnizdat, 1962. 41 p. (MIRA 15:6)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany nedor.
(Geology--Maps)

BELYAYEVSKIY, N.A.; FEDYNSKIY, V.V.

Study of deep-lying mineral resources and problems of extra-deep
drilling. Sov.geol. 4 no.12:55-77 D '61. (MIRA 15:2)

1. Ministerstvo geologii i okhrany nedor SSSR.
(Earth--Internal structure)

BELYAYEVSKIY, N.A.; GORSKIY, I.I.

Trends in and objectives of further stratigraphic studies.
Sov.geol. 4 no.10:20-31 0 '61. (MIRA 14:11)

1. Ministerstvo geologii i okhrany nedr i Akademiya nauk SSSR.
(Geology, Stratigraphic)

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BELYAYEVSKIY, N.A.

Geological surveying in Canada. Sov.geol. 4 no.7:162-164,
J1 '61. (MIRA 14:10)
(Canada—Geological surveys)

BELYAYEVSKIY, N.A.

Hungarian Geological Institute. Sov.geol. 4 no.5:153-155 My '61.
(MIRA 14:6)

1. Ministerstvo geologii i okhrany nedor SSSR.
(Hungary—Geological research)

BELYAYEVSKIY, N.A., prof. (Moskva)

Important problems in geology. Priroda 50 no.4:63-68 Ap '61.
(MIRA 14:4)
(Geology--Congresses) (Scandinavia--Description and travel)

BELYAYEVSKIY, N.A.

Results of the First All-Union Conference on the Geology and
Metallogeny of the Pacific Ore Belt. Sov. geol. 4 no.1:146-153
Ja '61. (MIRA 14:1)

1. Ministerstvo geologii i okhrany nadr SSSR.
(Soviet Far East--Ore deposits)

NALIVKIN, D.V., akademik, glav. red.; BELYAYEVSKIY, N.A., zam. glav. red.;
TIKHOMIROV, V.V., zam. glav. red.; ASSOVSKIY, A.N., red.; MEL'NIKOV,
O.D., red.; SHATSKIY, N.S., akademik, red. [deceased]; YANSHIN, A.I.,
akad., red.; AKOPYAN, A.O., red.; ASLANYAN, A.T., red.; GOGINYAN,
V.Ie., red.; GULYAN, E.Kh., red.; KAZAIYAN, S.V., red.; MALKHASIAN,
E.G., red.; KHACHATURYAN, E.A., red.; GOVORKYAN, L.M., red. vypuska;
VARTANESOVA, A.A., red. izd-va; SAROYAN, P.A., tekhn. red.

[Study of the geology of the U.S.S.R.] Geologicheskaja izuchenost'
SSSR. Erevan, Izd-vo Akad. nauk Armianskoj SSR. Vol. 48. [Armenian
S.S.R.; period of 1951-1955] Armianskaia SSR; period 1951-1955.
No. 1. [Published studies] Opublikovанные работы. 1961. 127 p.
(MIRA 14:9)

(Armenia--Geology)

BELYAYEVSKIY, N.A.

Twenty-first session of the International Geological Congress.
Razved. i okh. nedr 26 no.11:62-64 N '60. (MIRA 13:12)

1. Ministerstvo geologii i okhrany nedr SSSR.
(Geology--Congresses)

BELYAYEVSKIY, N.A.

All-Chinese conference on stratigraphy. Razved. i okh. nedr
26 no.2:63-64 Feb. '60. (MIRA 14:6)

1. Ministerstvo geologii i okhrany nedr SSSR.
(China--Geology, Stratigraphic)

BELYAEVSKII, N.A.; LITVINOV, I.I.

Results of the 21st International Geological Congress. Sov.
geol. 3 no. 12:134-149 D '66. (U. 14:1)

1. National'nyy VINITIET geologov SSSR.
(Geology—Com_resses)

BELYAYEVSKIY, N.A.; VAKHRAHEYEV, V.A.; GORSKIY I.I.; NALIVKIN, D.V.;
OVECHKIN, N.K.; SOKOLOV, B.S.

Results of the All-China Stratigraphic Conference; Peking, November
13-21, 1959. Sov. geol. 3 no.2:149-160 F '60. (MIRA 13:11)

1. Ministerstvo geologii i okhrany nedor SSSR AN SSSR.
(China--Geology, Stratigraphic)

BELYAYEVSKIY, N.A.

Tectonic basis for the classification petrographic provinces. Uzb.
geol. zhur. no.5:82-88 '60. (MIRA 13:11)

1. Ministerstvo geologii i okhrany nadr SSSR.
(Petrology)

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BELYAYEVSKIV, N.A.; GOLOV, A.Ye.

Activity of the Geological Institute of the Polish People's
Republic. Sov. geol. 3 no.10:157-161 0'60. (MIRA 13:10)
(Poland--Geology)

BELYAYEVSKIY, N.A.; GOLOV, A.Ye.

Results of the conference of representatives of geological department of member countries of the Council of Mutual Economic Assistance in the Generalization of Experience in Compiling Geological Maps. Sov. geol. 3 no. 9:149-152 S '60. (MIRA 13:11)

1. Ministerstvo geologii i okhrany nedor SSSR.
(Geology--Maps)

BELYAYEVSKIY, N.A.; GOLOV, A.Ye.

Results of the anniversary session of the Geological Institute (Warsaw,
1960). Sov. geol. 3 no.8:142-147 Ag '60. (MIRA 13:9)
(Poland--Geology)

BELYAYEVSKIY, N.A., IVANOV, Yu.A.

Results of the Baku conference on the exchange of experience in geological prospecting in Southern Russia, Central Asia, and the Caucasus. Sov. geol. 3 no.7:141-147 Jl '60.
(MIRA 13:8)

1. Ministerstvo geologii i okhrany nadr SSSR.
(Prospecting)

S/132/60/000/002/001/001

A05^b/A130

All-Chinese Stratigraphical Conference

total number of those participating in geologic surveys amounted to 400,000. Ten years previously the number of Chinese geologists had not been more than 200. Geologists were trained in 3 geological institutes, 24 geological technical colleges and at the geological faculties of 22 universities. At present the geological students numbered 36,700. In each of the 26 provinces of China there were geological directorates to which scientific-research organisations were attached. Research was carried out also in 10 geologic institutes of the Academy of Sciences and in the institutes of the Ministry of Geology. To date, deposits of 88 kinds of useful minerals had been surveyed and the stock established. In pre-revolution China 18 kinds of useful minerals were mined. As regards the 10 most important useful minerals, China ranks amongst the first countries of the world. Successful surveyings had also been carried out for oil which had been entirely neglected in the pre-revolution period. Following the summons of the government the whole population had taken part in the prospecting of new deposits and within a short time 1,600,000 mineral occurrences were reported. In 1958, 1:200,000 scale maps were plotted for an area of 933,000 km², while maps on an smaller scale were plotted for an area of 692,000 km². The length of holes drilled thus far amounts to 18 million running meters.

ASSOCIATION: Ministerstvo geologii i okhrany nefr SSSR (Ministry of Geology and
Preservation of Mineral Deposits
Card 2/2

S/132/60/000/002/001/001
A054/A130

AUTHOR: Belyayevskiy, N. A.

TITLE: All-Chinese Stratigraphical Conference

PERIODICAL: Razvedka i okhrana nadr, no. 2, 1960, 63 - 64

TEXT: The All-Chinese Stratigraphical Conference was held under the auspices of the Academy of Sciences, Ministry of Geology, etc., in Peking from November 13 - 21, 1959. 650 members of 188 Chinese institutions were present. A Soviet delegation headed by D. V. Nalivkin, as well as a delegation from Mongolia and geologists posted in China were also present. The material put up for discussion had been prepared during the two preceding years. The results of surveys of the stratigraphy of pre-Cambrian, paleozoic, mesozoic, cainozoic eras and deposits of sedimentary origin were submitted to the meeting. 45 members of the All-Chinese Stratigraphic Committee were elected. As president of the committee the Minister of Geology, and vice-president of the Chinese Academy of Sciences, Li-Sy-guan, as his deputies Khe Chan-gun, Pey Li-syn, J Kien and In' Tszyan-syun'. Li Sy-guan and as general secretaries Li Yan and Chzhu Syayu-tsen' were elected. Li Sy-guan and In' Tszyan syun' reported that 21,000 geologists were active in China while the

Card 1/2

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ABDULLAYEV, Kh.M. (continued) Card 2.

1. Vsesoyuznoye petrograficheskoye soveshchaniye. 2d, Tashkent.
2. Prezident Akademii nauk Uzbekskoy SSR (for Abdullayev). 3. Chleny-korrespondenty AN SSSR (for Abdullayev, Afanas'yev, Kuznetsov, Niko-layev). 4. AN Azerbaydzhanskoy SSR (for Azizbekov). 5. AN SSSR (for Satpayev). 6. AN Ukrainskoy SSR (for Semenenko). 7. Institut geolo-gii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii Akademii nauk SSSR (for Afanas'yev, Marfunin, Rub). 8. Inst.geologii Akademii nauk Uzbekskoy SSR (for Batalov). 9. Laboratoriya geologii dokembriya Akademii nauk SSSR (for Nikolayev). 10. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut (for Polovinkina). 11. Institut geologii Akademii nauk Ukrainskoy SSR (for Semenenko).
(Mineralogy)

ABDULLAYEV, Kh.M., glavnny red.; ANTROPOV, P.Ya., red.; AZIZBEKOV, Sh.A., akademik, red.; AFANAS'YEV, G.D., red.; BATALOV, A.B., doktor geol.-mineral.nauk, red.; BELYAYEVSKIY, N.A., doktor geol.-mineral. nauk, red.; KOPTEV-DVORNIKOV, V.S., doktor geol.-mineral.nauk, red.; KUZNETSOV, Yu.A., red.; MARFUNIN, A.S., kand.geol.-mineral.nauk, red.; NIKOLAYEV, V.A., red.; POLOVINKINA, Yu.I., doktor geol.-mineral. nauk, red.; RUB, M.G., doktor geol.-mineral.nauk, red.; SATPAYEV, K.I., akademik, red.; SEMENENKO, N.P., akademik, red.; KHAMRABAEV, I.Kh., doktor geol.-mineral.nauk, red.; PANNOVA, A.I., red.izd-va; KITAYENKO, L.G., red.izd-va; KALOSHINA, T.V., red.izd-va; IVANOVA, A.G., tekhn.red.

[Magmatic activity and its role in the formation of minerals] Magmatizm i sviaz' s nim poleznykh iskopaemykh: trudy. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr, 1960. 782 p.

(Continued on next card) (MIRA 13:11)

YEROFEEV, Boris Nikonovich; BELYAYEVSKIY, Nikolay Andreyevich; FAYNBOIM,
I.B., red.; SAVCHENKO, Ye.V., tekhn.red.

[Geology in the service of the seven-year plan] Geologija na
sluzhbe semiletki. Moskva, Izd-vo "Znanie," 1960. 28 p. (Vse-
sojuznoe obshchestvo po rasprostraneniju politicheskikh i nauchnykh
znanii. Ser.9, Fizika i khimiia, no.9).

(MIRA 13:6)

(Geology, Economic)

BELYAYEVSKIY, N.A.; GRIGOR'YEV, A.V.; IVANOV, Yu.A.

Problems of and trends in geological mapping in the U.S.S.R.
Sov.geol. 2 no.12:3-11 D '59. (MIRA 13:5)

1. Ministerstva geologii i okhrany nedor SSSR.
(Geology--Maps)

BELYAYEVSKIY, N.A.; IVANOV, Yu.A.

Results of the conference of geologists of Eastern Siberia
and the Far East. Sov.geol. 2 no.7:162-165 J1 '59.
(MIRA 13:1)

1. Ministerstvo geologii i okhrany nadr SSSR (MGION).
(Geology, Economic)

BELYAYEVSKIY, N.A.; VARGIN, N.I.; IVANOV, Yu.A.; SMIRNOVA, Z.I.

Results of the conference of geologists of the European part of
the U.S.S.R. Sov. geol. 2 no.6:138-142 Je '59. (MIRA 12:12)

1. Ministerstvo geologii i okhrany nedor SSSR.
(Geology)

SHATSKIY, N.S., akademik, otv.red.; SHCHERBAKOV, D.I., akademik, red.;
BELYAYEVSKIY, N.A., red.; DOLGOPOLOV, N.N., red.; LEVITSKIY,
O.D., red.; PUSHCHAROVSKIY, Yu.M., red.; SOKOLOV, G.A., red.;
SHATALOV, Ye.T., red.; MOSOV, G.I., red.izd-va; NOVICHKOVA,
N.D., tekhn.red.

[Characteristics of the distribution of mineral resources] Zako-
nomernosti razmeshcheniya poleznykh iskopaemykh. Moskva. Vol.2.
1959. 504 p. (MIRA 13:6)

1. Akademiya nauk SSSR. Komissiya po probleme "Zakonomernosti
razmeshcheniya poleznykh iskopayemykh. 2. Institut geologii
rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN
SSSR (for Sokolov, Shatalov).
(Mines and mineral resources)

BELYAYEVSKIY, N.A.

Results of the conference on geological mapping and prospecting
methods. Sov. geol. no. 5:141-145 My '58. (MIRA 11:10)

1. Ministerstvo geologii i okhrany nedor SSSR.
(Prospecting)
(Geology--Maps)

BELYAYEVSKIY, N.R.

AUTHORS: Belyayevskiy, N.A., Klimov, P.I. 132-58-4-16/17

TITLE: Conference on the Generalization of Experiences Gained in Conducting Geological Surveying and Prospecting (Rabocheye soveshchaniye po obobshcheniyu opyta provedeniya geologicheskoy s"yemki i poiskov)

PERIODICAL: Kazvedka i Okhrana Nedr, 1958, Nr 4, pp 61-63 (USSR)

ABSTRACT: Called by the Ministry of Geology and Conservation of Mineral Resources, this conference was held in Leningrad from 25 February to 1 March 1958. More than 220 delegates from various organizations of the Ministry, the USSR Academy of Sciences and the vuzes took part in the conference. Approved were plans for geological surveying projects and geophysical regional works elaborated by the Ministry. The necessity of improving the qualifications of the geologists-surveyors and prospectors was brought to attention.

ASSOCIATION: Ministerstvo geologii i okhrany nedr SSSR (USSR Ministry of Geology and Conservation of Mineral resources)

AVAILABLE: Library of Congress
Card 1/1 1. Geological surveying-USSR 2. Geology-USSR

BELYAYEVSKIY, N.A.

Data on the geology and utilization of minerals in India. Sov.
geol. 1 no.12:144-146 D '58. (MIRA 12:4)

1. Ministerstvo geologii i okhrany nadr SSSR.
(India--Mines and mineral resources)

BELYAYEVSKIY, N.A.

Legend for the geological map of the world. Sov.geol. 1
no.11:167-170 N '58. (MIRA 12:4)

1. Ministerstvo geologii i okhrany nedr SSSR.
(World maps)

YEROFEEV, B.N.; RELYAEVSKIY, N.A.; BOGDANOV, A.A.; SHATALOV, Ye.T.

Conference of the commission on a world geological map held in
Paris, France, March-April 1958. Sov.geol. 1 no.7:153-160 Jl '58.
(MIRA 11:11)

1. Ministerstvo geologii i okhrany nedr SSSR, Moskovskiy gos.
universitet im. M.V. Lomonosova i Institut geologii rudnykh
mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR.
(Paris--Geology--Congresses)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600014-6

BELYAYEVSKIY, N.A.

Geological map of Asian and Far Eastern countries. Sov. geol. 1
no.3:133-135 Mr '58. (MIRA 11:5)

1. Ministerstvo geologii i okhrany nedor SSSR.
(Asia--Geology--Maps)

BELYAYEVSKIY, N.A., red., VERESHCHAGIN, V.N., red., KRASNYY, L.I., red.,
LIBROVICH, L.S., red., MARKOVSKIY, A.P., red., MUZYLEV, S.A., red.,
NALIVKIN, D.V., red., NIKOLAYEV, V.A., red., OVECHKIN, N.K., red.,
POLOVINKINA, Yu.Lr., red., ROSSOVA, S.M., red. izd-va.; SEMENOVA,
M.V., red. izd-va.; BABINTSEV, N.I., red. izd-va.; GUROVA, O.A., tekhn.red.

[Geological structure of the U.S.S.R.] Geologicheskoe stroenie SSSR.
Moskva. Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr.
Vol. 1. [Stratigraphy] Stratigrafiia. 1958. 587 p. [Supplement]
Prilozhenie. 3 fold. maps.
Vol. 2. [Magmatism] Magmatizm. 1958. 329 p.
Vol. 3. [Tectonics] Tektonika. 1958. 383 p.

(MIRA 11:11)

1. Leningrad. Vsesoyuznyy geologicheskiy institut.
(Geology)

SHATSKIY, N.S., akademik, otv.red.; SHCHERBAKOV, D.I., skademik, red.;
BELYAYEVSKIY, N.A., red.; DOLGOPOLOV, N.N., red.; LEVITSKIY,
O.D., red.; PUSHCHAROVSKIY, Yu.M., red.; SOKOLOV, G.A., red.;
NOSOV, G.I., red.izd-va; GUSEVA, I.N., tekhn.red.

[Characteristics of the distribution of mineral resources] Zakonomernosti razmeshcheniya poleznykh iskopayemykh. Vol.1. Moskva, 1958. 532 p.
(MIRA 12:3)

1. Akademiya nauk SSSR. Komissiya po probleme "Zakonomernosti razmeshcheniya poleznykh iskopayemykh."
(Mines and mineral resources)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600014-6

BELYAYEVSKIY, N.A.

Twentieth session of the International Geological Congress; Mexico,
1956. Sov. geol. no. 57:4-21 '57. (MIRA 10:8)
(Mexico (City)--Geology--Congresses)

BELYAYEVSKIY, N.A.

SHATSKIY, N.S.; BOGDANOV, A.A.; BELYAYEVSKIY, N.A.; VERESHCHAGIN, V.I.;
ZAYTSEV, N.S.; KOSYGIN, Yu.A.; KROPOTKIN, P.N.; MURATOV, M.V.
NAGIBINA, M.S.; OGNEV, V.N.; PAVLOVSKIY, Ye.V.; PEYVE, A.V.;
PUSHCHAROVSKIY, Yu.M.; SALOP, L.I.; SOBOLEVSKAYA, V.N.;
KHARITONOV, L.Ya.; KHERASKOV, N.P.; SHEYNMAN, Yu.M.; SHTREYS, N.A.;
YANSHIN, A.L.; VERSTAK, G.V. redaktor izdatel'stva; GUROVA, O.A.
tekhnicheskiy redaktor

[Tectonic map of the U.S.S.R. and adjacent countries on a scale of
1:5,000,000; explanatory notes] Tektonicheskaya karta SSSR i
sopredel'nykh stran v masshtabe 1:5,000,000; ob"iasnitel'naya
zapiska. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i
okhrane nedr, 1957. 77 p.
(MLRA 10:5)

1. Akademiya nauk SSSR.
(Russia--Geology--Maps)

Translation from: Referativnyy zhurnal, Geologiya, 15-57-1-1071
p 172 (USSR), 1957, Nr 1,

AUTHOR: Belyayevskiy, N. A.

TITLE: Outline of the Geology of the Maritime Territory
(Ocherk geologii Primor'ya)

PERIODICAL: Materialy Vses. n.-i. geol. in-ta, 1956, Nr 1, pp 5-12

ABSTRACT: This paper presents in general outline information on
the geological structure of the Maritime Territory,
based on studies of extensive manuscript material,
various sources in the literature, and personal obser-
vations of the author.

Card 1/1

No initials

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600014-6

BELYAYEVSKIY, N.A.

Geological aspects of ophiolitic series in the Sikhote-Alin Range.
Inform.sbor.VSGENI no.2:46-49 '55. (MIRA 9:11)
(Sikhote-Alin Range--Serpentine)

BELYAYEVSKIY, N.A.

USSR/ Geology

Card 1/1 Pub. 22 - 30/46

Authors : Belyayevskiy, N. A., and Gromov, Yu. Ya.

Title : The Central Sikhote-Alinsk structural junction

Periodical : Dok. AN SSSR 103/1, 109-111, Jul 1, 1955

Abstract : Geological data are presented showing that the Central Sikhote-Alinsk junction separates the zone of Upper Paleozoic deposits of the main Sikhote-Alinsk anticlinal fold from the territory occupied by strong Mesozoic strata of the synclinal structure. Two USSR references (1947 and 1951). Diagram.

Institution : All-Union So. Res. Geol. Inst.

Presented by : Academician N. S. Shatskiy, January 27, 1955

BELYAYEVSKIY, N.A.

KRISHTOFOVICH, A.N., redaktor [deceased] SPIZHARSKIY, T.N., redaktor;
BELYAYEVSKIY, N.A., redaktor; VADRANYANTS, L.A., redaktor;
ZAITSEV, T.K., redaktor; KRASNOV, I.I., redaktor; KULIKOV, M.V.
redaktor; LABAZIN, G.S., redaktor; LIBROVICH, L.S., redaktor;
LUR'YE, M.L., redaktor; MALINOVSKIY, F.M., redaktor; NESTEROV,
L.Ya., redaktor; NEKHOROSHEV, V.P., redaktor; SERGIYEVSKIY, V.M
redaktor; TALDYKIN, S.I., redaktor; KHABAKOV, A.V., redaktor;
SHABAROV, N.V., redaktor; SKVORTSOV, V.P., redaktor; KISELEVA,
A.A., tekhnicheskiy redaktor GUROVA, O.A., tekhnicheskiy redaktor.

[Geological dictionary] Geologicheskii slovar'. Moskva, Gos.
nauchno-tekhnik.izd-vo lit-ry po geologii i okhrane nedr. Vol.1
A-L 1955. 402 p. (MLRA 8:10)
(Geology--Dictionaries)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600014-6

BELYAYEVSKIY, N. A.

"Alpine Tectonics of the Western Kun-Lun Mountains," Iz. Ak. Nauk SSSR, Ser.
Geol., No.2, 1949

BELYAYEVSKIY, N. A.

PA 8/49 T76

USSR/Geology
Tectonics
Orography

Jul 48

"Meso-Cenozoic Deposits of the Southern Slope of Eastern Tyain'-Shan'," N. A. Belyayevskiy, All-Union Sci Res Geol Inst, Leningrad, 3½ pp

"Dok Ak Nauk SSSR" Vol LXI, No 1

The Paleozoic massif of the southern slope of eastern Tyain'-Shan' between Ak-su and Kuchar is formed by series of Meso-Cenozoic deposits. Short notes on the general structure are now published for the first time. Includes map showing territory 38° - 42°N, 80° - 83°E. Submitted 27 Apr 1948.

8/49 T76

BELYAYEVSKIY, N. A.

IA 29T44

USSR/Geography
Geomorphology

Jul/Aug 1947

"New Data on Geomorphology and Geography of the Western Parts of the Takla-Makan Wastes," N. A. Belyayevskiy, 10 pp

"Iz Vsesoyuz Geog Obshchestva" Vol LXXIX, No 4

The Taymyr Depression, with permanently snow-covered ranges to the north and the south and sandy wastes in the center, is in itself a very good region for study. The author discusses the more unknown parts of the Takla-Makan wastes and the geomorphologic characteristics of this area, particularly in the Merket sector.

LC

29T44

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600014-6

BELYAYEVSKIY, N.A.

"The Middle Paleozoic Deposits of Kara-Korum," Dok. AN, 58, no. 8, 1947

BELYAYEBSKIY, N. A.

PA 36T21

USSR/Geology

Nov 1947

"Tertiary Deposits in the High Mountainous Regions of
the Western Kuen'-Iunya," N. A. Belyayevskiy, 3 pp

"Dok Ak Nauk" Vol LVIII, No 6

Discusses the new tertiary deposits which were dis-
covered in the recently located tectonic structure of
the western Kuen'-Iunya regions. Submitted by Aca-
demician D. S. Belyankin 10 Jul 1947.

36T21

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600014-6

BELYAYEVSKIY, N. A.

"Discovery of an Upper Paleozoic Layer in the Fergansk Mountain Range,"
Dokl. AN SSSR, 56, No.3, 1947

All-Union Sci. Res. Inst. Geology, Leningrad

BELYAEVSKY, N. A.

PA 13T19

USSR/Geology

Mar 1947

"The Geology of Kara-koram" N. A. Belyaievsky, 8 pp

"Izv Ak Nauk Ser Geol" No 3

Study of Kara-koram, between Pamirs and Tibet, with
one small map.

13T19

BELYAYEV, Nikolay Mikhaylovich. Prinimali uchastiye: BELYAYEVSKIY,
L.A.; KACHURIN, V.K.; KIPNIS, Ya.I.; KOZHEVNIKOV, I.A.;
KUŠHELEV, N.Yu.; SINITSKIY, A.K.; SNITKO, I.K., red.

[Collection of problems on the strength of materials] Sbornik
zadach soprotivleniiu materialov. Izd.9., ispr. Moskva,
Izd-vo "Nauka," 1965. 348 p. (MIRA 18:3)

KRYUKOV, Aleksey Dmitriyevich; KHARCHENKO, Anatoliy Pavlovich;
BELYAYEVSKIY, K.V., doktor tekhn. nauk, prof.,
retsenzent; NOSOV, N.A., dots., red.; SIMONOVSKIY, N.Z.,
red. izd-va; ONISHCHENKO, R.N., red. izd-va; BARDINA, A.A.,
tekhn. red.

[Selection of transmissions for crawler and wheeled vehicles]
Vybor transmissii gusenichnykh i kolesnykh mashin. Moskva,
Mashgiz, 1963. 319 p. (MIRA 16:8)

(Motor vehicles--Transmission devices)
(Tractors--Transmission devices)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600014-6

БЕЛЯЕВСКИЙ, К. В.
БЕЛЯЕВСКИЙ, К. В.

[Caterpillar tractors] Гусеничные тракторы. Москва, 1952. 271 p.
(MLRA 6:5)
(Caterpillar tractors)

MALYY, I.G., red.; BELYAYEVSKIY, I.K., red.

[Problems of statistical methodology: collection of
articles] Voprosy statisticheskoi metodologii; sbornik
statei. Moskva, Izd-vo Statistika, 1964. 284 p.
(MIRA 17:5)

BELYAEVSKIY, Igor' Konstantinovich; TRUSHIN, V.I., red.; PYATKOVA,
N.D., tekhn., red.

[Collective-farm trade statistics] Statistika kolkhoznoi
torgovli. Moskva, Gosstatizdat, 1962. 125 p. (MIRA 15:10)
(Farm produce--Marketing)
(Collective farms--Statistics)

BELYAYEVSKIY, I.A.; TOKAREV, V.A.

Improving the flotation method for yeast separation from the
still beer. Gidroliz. i lesokhim. prom. 16 no.7:11-17 '63.
(MIRA 16:11)

BELYAYEVSKIY, I.A.; TOKAREV, V.A.

Production of yeasts at the Leningrad Hydrolysis Plant. Gidrolyz. i
lesokhim.prom. 16 no.1:26-28 '63. (MIRA 16:2)
(Leningrad—Hydrolysis) (Yeast)

YEFIMOV, V.A.; MOLCHANOV, M.N.; GANTSEVICH, A.I.; ISAYEVA, M.M.; BELYAYEVSKIY, I.A.; SAPIRO, M.M.; BORISEVICH, S.F.; BARANOVSKAYA, L.V.

Semicontinuous method of wood hydrolysis. Gidroliz. i lesokhim.
prom. 15 no.1:19-21 '62. (MIRA 18:3)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut gidroliznoy i sul'fitno-spirtovoy promyshlennosti (for Yefimov, Molchanova, Gantsevich, Isayeva). 2. Leningradskiy gidroliznyy zavod (for Belyayevskiy, Sapiro, Borisevich, Baranovskaya).

BELYAYEVSKIY, I.A.; SHIROKIKH, N.T.; IGNAT'YEVA, I.S.

Production of weld carbon dioxide in hydrolysis plants. Gidroliz.
i lesokhim. prom. 14 no.5:13-15 '61. (MIRA 16:7)

1. Leningradskiy gidroliznyy zavod (for Belyayevskiy, Shirokikh).
2. Gosudarstvennyy nauchno-issledovatel'skiy institut gidroliznoy
i sul'fitnospirtovoy promyshlennosti (for Ignat'yeva).
(Carbon dioxide) (Hydrolysis)

Belyayevskiy, I.A.

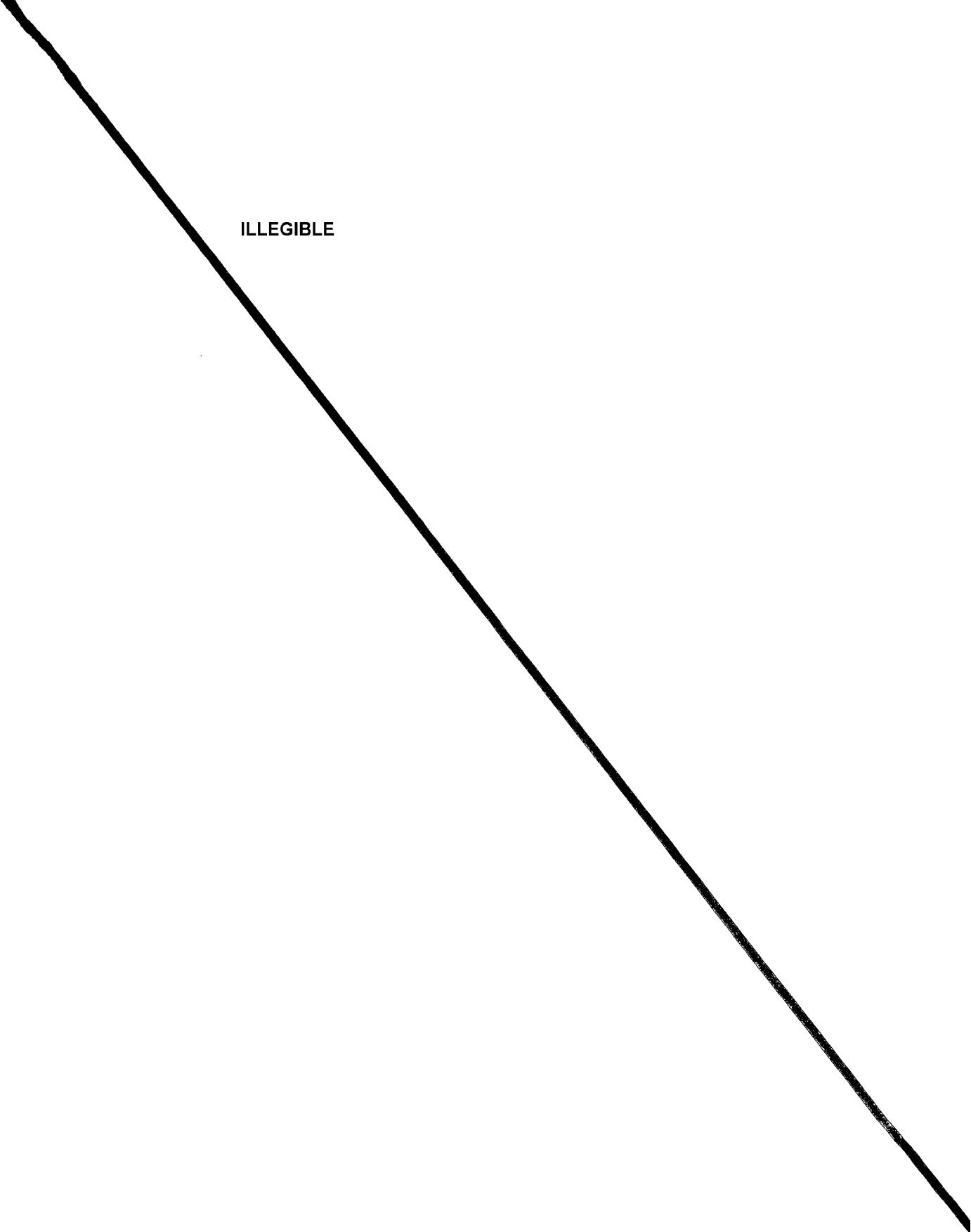
ANDREYEV, K.P.; BOBOREKO, E.A.; IGNAT'YEV, I.S.; ZELENSHCHIKOV, A.V.;
BELYAYEVSKIY, I.A.; SHIRYAYEV, A.M.; SAPIRO, M.M.

Steam injection cooling of stillage. Gidroliz. i lesokhim. prom.
10 no.7:30-32 '57. (MIRA 10:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrolyznoy i
sul'fitnospirtovoy promyshlennosti (for Andreyev, Boboreko,
Ignat'yeva, Zelenshchikova). 2. Leningradskiy godroliznyy zavod
(for Belyayevskiy, Shirayev, Sapiro).
(Alcohol)

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ILLEGIBLE



Belyayevskiy, I.A.
BELYAYEVSKIY, I.A.; GRINSHTEYN, I.M.; EPSHTEYN, Ya.V.

Some problems in the hydrodynamics of percolation hydrolysis. Gidroliz.
i lesokhim. prom. 10 no.8:6-10 '57. (MIRA 10:12)
(Hydrolysis)

F. D. R. D. S. I. S. S. R.

DOLBNIN, A.V.; BARKAN, N.V.; BELYAYEVSKIY, I.A.

Basic qualitative index of the operation of hydrolysis plants.
Gidroliz. i lesokhim.prom. 10 no.1:29-31 '57. (MIRA 10;4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidroliznoy i
sulf'fitno-spirtovoy promyshlennosti.
(Hydrolysis)

BELYAYEVSKIY, Z.A.

ZAYTSEV, B.M.; VAYNER, A.S.; BELYAYEVSKIY, I.A.; SAPIRO, M.M.;
BORISEVICH, S.F.

Heat economy at the Leningrad Hydrolysis Plant. Gidroliz. i
lesokhim. prom. 10 no.7:18-20 '57. (MIRA 10:12)

1. Vsescouznyy nauchno-issledovatel'skiy institut godroliznoy i
sul'fitnospirtovoy promyshlennosti (for Zaytsev, Vayner)
2. Leningradskiy gidroliznyy zavod (for Belyayevskiy, Sapiro,
Borisevich).

(Leningrad--Hydrolysis)

BELYAYEVSKIY I.A.

BELYAYEVSKIY, I.A., kandidat tekhnicheskikh nauk

Methods of determining non-inverted sugar. Gidroliz. i lesokhim
prom. 8 no.1:30 '55. (MLRA 8:10)
(Sugar--Inversion)

BELYAEVSKII, I.A.

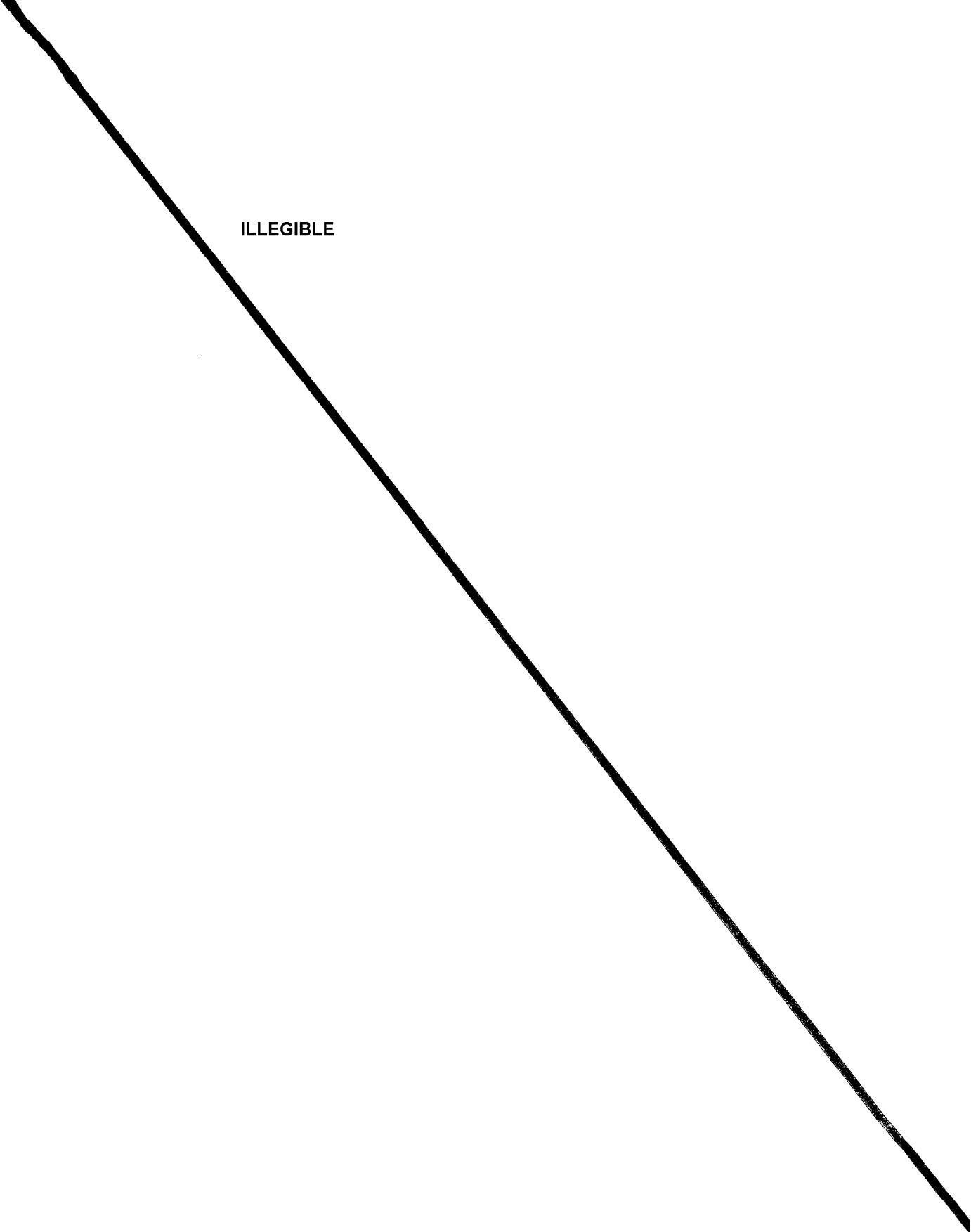
[Wood hydrolysis in tanks with horizontal perforated pipes] A. Belyaevskii, P. V. Turov, and Z. N. Daneko (hydrolysis Plant, Tomsk), *Gazeta Tomskogo gosudarstvennogo universiteta*, No. 4 (1961).--Bapt. work is reported on the hydrolytic process in reaction vessels equipped with perforated liquor feed lines in vertical position and products removing pipes running parallel to them. During the operation the pressure is set at the equil. temp. of the hydrolysis. The lignous residue is therefore less compressed and removed easier. The hydrolytic products are obtained in purer form, the reaction time is shorter, and less corrosion is experienced than with the equipment of older design. Two variations in the setup of the installation have been adopted. In one the liquor is led through a central line and is directed toward 6 pipes around the inside wall. In the second modification the liquor is charged through a pipe at one side of the wall and its current is directed through the reaction mass toward the other side of the tank where 3 or 5 pipes are located for removal of the reaction products. The efficiency of the operation depends on a light overcharge of the liquor and a proper coordination of the reaction variables (time, temp., and concn. of the cooking acid).

T. Jurecic

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ILLEGIBLE



BELYAYEVSKIY, I.

Price dynamics in collective farm trade. Sov.torg. 33 no.6:
26-30 Je '60. (Farm produce--Marketing) (Prices) (MIRA 13:7)

L 21506-66
ACC NR: AP6007736

Analysis showed that qualitatively the above phenomena cannot account for the investigated effect. There are inherent difficulties involved in interpreting findings within the framework of the proposed hypothesis, i.e., the explanation for the relatively low altitude at which the formation of meteor trails was observed, the great magnitude of the light yielded from a small antimeteor mass, etc. It is indicated that although there are several ways of eliminating the above difficulties, this would be premature without conducting the experiment by an essentially different method. The authors feel that their findings, independent of those of theoretical discussions, can be viewed not as proof of the hypothesis, but as experimental facts testifying to its use and drawing the attention of experimenters to it. The authors thank E.A. Oseyn, A.M. Romanov, N.I. Orlov, D.V. Frederic, L.P. Pashomov, Yu.A. Gur'yan, L.F. Aleksanyan, V.K. Bocharnikin, Ye.V. Kvakinin, Ya.G. Stepanova, M.F. Konstantinova, and L.V. Cherenyavaya for assistance in organizing the work, developing the apparatuses, carrying out of the measurements, and the processing of the results. Orig art. has: 3 figures and 3 tables. [ATD PRESS:4195-7] 12

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A number of control experiments were used to reveal any systematic errors which could possibly have occurred. Despite this, and since the experiments were conducted using only one method, the possibility remains that unaccounted-for systematic errors were made; however, actual reasons for their appearance could not be found at that time. With the formation of meteor trails at an altitude of about 100 km, an increase in the intensity of hard gamma radiation and neutrons, amounting to approximately 2% of the background or ~1 impulse per meteor, was noted at altitudes of 13—18 km.

Among the possible physical origins of the observed effect, besides the explanation related to the investigated hypothesis, may be suggested the presence of background modulation of cosmic radiation during the entry of a conventional meteor into the earth's atmosphere. Theoretically, such modulation can take place either because of a change in the density of the upper atmospheric layer or because of the influence of the magnetic pole on primary cosmic radiation arising during the formation of a meteor trail.

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with its variation not exceeding this value during a period of meteor-shower activity, a maximum value for the mass of an antimeteor was found to be about 10^{-9} – 10^{-10} g. If such meteors are antiparticles, their mass of 10^{-9} g would release a total energy equivalent to that of a conventional meteor with a mass of 10^{-1} g. The task of registering the annihilation radiation from an individual meteor should be fairly difficult, considering that annihilation would occur at an altitude of about 100 km.

Along with measurements of average intensity at altitudes of 25–30 km, experiments were conducted to detect radiation at altitudes of 13–18 km produced by an individual meteor entering the atmosphere. Gamma rays and neutrons were registered by scintillation counters and proportional gaseous-boron counters; meteors were detected by a radar technique at the 4-m wavelength. The directivity pattern of the radar station, the selection of meteors' radar echoes by distance, and the area in which to expose radiation detectors were coordinated in such a way that it was possible to assume that a given meteor had entered the atmosphere approximately above the detector.

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gamma radiation flux at sufficiently high altitudes permit several maximum values to be derived for the quantity of antimatter which may enter the earth's atmosphere. The intensity of gamma radiation at an altitude having a residual atmospheric density of about $100 - 10 \text{ g/m}^2$ was found to be approximately $10^{-1} \text{ cm}^{-2} \cdot \text{sec}^{-1} \cdot \text{sterad}^{-1}$. Taking the above maximum antinucleon-flux-intensity value, and considering the earth's orbital velocity to be $\sim 3 \times 10^6 \text{ cm/sec}$, the concentration of antinucleons in space is estimated at about 10^{-7} cm^{-3} .

Measurements of average gamma-radiation intensity at altitudes of 25—30 km during periods of varying meteor activity have shown that variation in the intensity of gamma radiation during a period of maximum meteor shower activity exceeds by not more than 50% the radiation intensity in the absence of a shower. This finding permits maximum values for the mass of antimeteors to be estimated. The number of meteors falling on a given area of earth per unit of time during the heaviest showers is about $10^{-16} - 10^{-15} \text{ cm}^2 \cdot \text{sec}^{-1}$. Taking, as earlier, the maximum gamma-radiation intensity due to annihilation at $10^{-1} \text{ cm}^{-2} \cdot \text{sec}^{-1} \cdot \text{sterad}^{-1}$,

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showers, therefore, is directly related to the question of the nature of meteors. At this point it should be noted that the problem under discussion does not involve meteors of noncometary origin reaching the earth, the number of which does not change during periods of meteor showers.

The problem is approached on the assumption that comets are macroscopic bodies consisting of antimatter and coming to us from other solar systems of our galaxy which may consist entirely of antimatter. From this, a plausible theory can be derived to explain the extrasolar-system origin of comets. A comet's capture by the sun could, according to calculations, result from a small change in the comet's total energy, adequate to transfer it from a hyperbolic to an elliptical class, due to the annihilation of protons in the solar wind on the comet's surface.

Of the primary and secondary radiation produced during annihilation, the most satisfactory for detecting the investigated phenomenon are hard gamma rays (with an energy exceeding 70 Mev), which can be recorded at a great distance from the point of annihilation. Due to the radiation length in air of gamma rays at this energy level, measurements of average Card 2/6

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AUTHOR: Konstantinov, B. P.; Bredov, M. M.; Belyayevskiy, A. I.; Sokolov, I. A.

ORG: none

TITLE: Possible antimatter nature of micrometeors

SOURCE: Kosmicheskiye issledovaniya, v. 4, no. 1, 1966, 66-73

TOPIC TAGS: antiparticle, gamma flux, gamma radiation, gamma background, meteor trail, meteor tracking, meteor stream, meteor detection, comet, scintillation counter, radar meteor observation, cosmic radiation, cosmic ray measurement, neutron radiation

ABSTRACT: An experiment was conducted to verify whether meteor showers are the product of cometary disintegration, in which case they would, according to one hypothesis, consist of antimatter dust particles. Theoretically, it appears possible to identify the radiation produced by the disintegration of such antidust particles coming into contact with particles of the earth's atmosphere. It is suggested that the major meteor showers may be formed by the disintegration of comets; the connection between comets and meteor

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The calibration of NaI(Tl) 100-mm diameter and 100-, and 60-mm height crystals are reported. "The authors wish to thank the employees of A. P. Komar's laboratory for their cooperation, and I. F. Bogatkov for his help in assembling the electronic equipment." Orig. art. has 6 figures and 1 table.

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ACCESSION NR.	AP6000729				S/0120/65/000/001/0073/085		
AUTHOR:	Bogolyubov, N. N.; Chirkin, V. A.; Chernokov, V. I.						
TITLE:	Calibrating large scintillation crystals						
SOURCE:	Fizikal'no-tehnicheskie issledovaniya, no. 1, 1965, 78-81						
TOPIC TAGS:	scintillation crystal; scintillation crystal calibration						
ABSTRACT:	The flash caused by single-energy electrons isolated by a magnetic field is used for calibration of large scintillation crystals. In an outfit shown in the accompanying photograph, the electrons set up by gamma-quanta in lead target 3 are deflected downwards and can be directed along the selected trajectory and the curves of deflection. A standard curve of mu-meson spectrum was used for comparing the calibration of a crystal with the calibration of other similar crystals. Results of						
Page:	1/3						